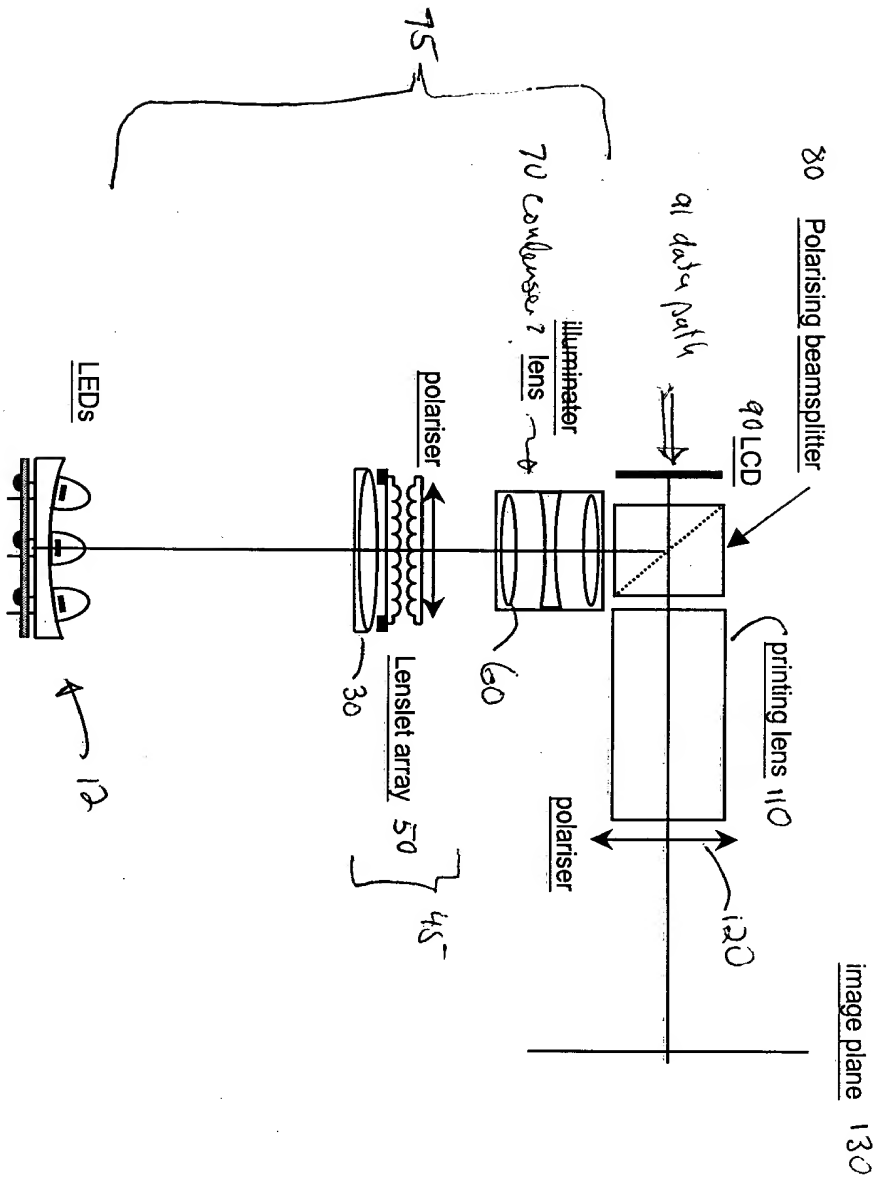


Figure 1

# LCD Uniformity Patent Drawings

10 X

## LCD Printer



02-DEC-99

09606891.062900

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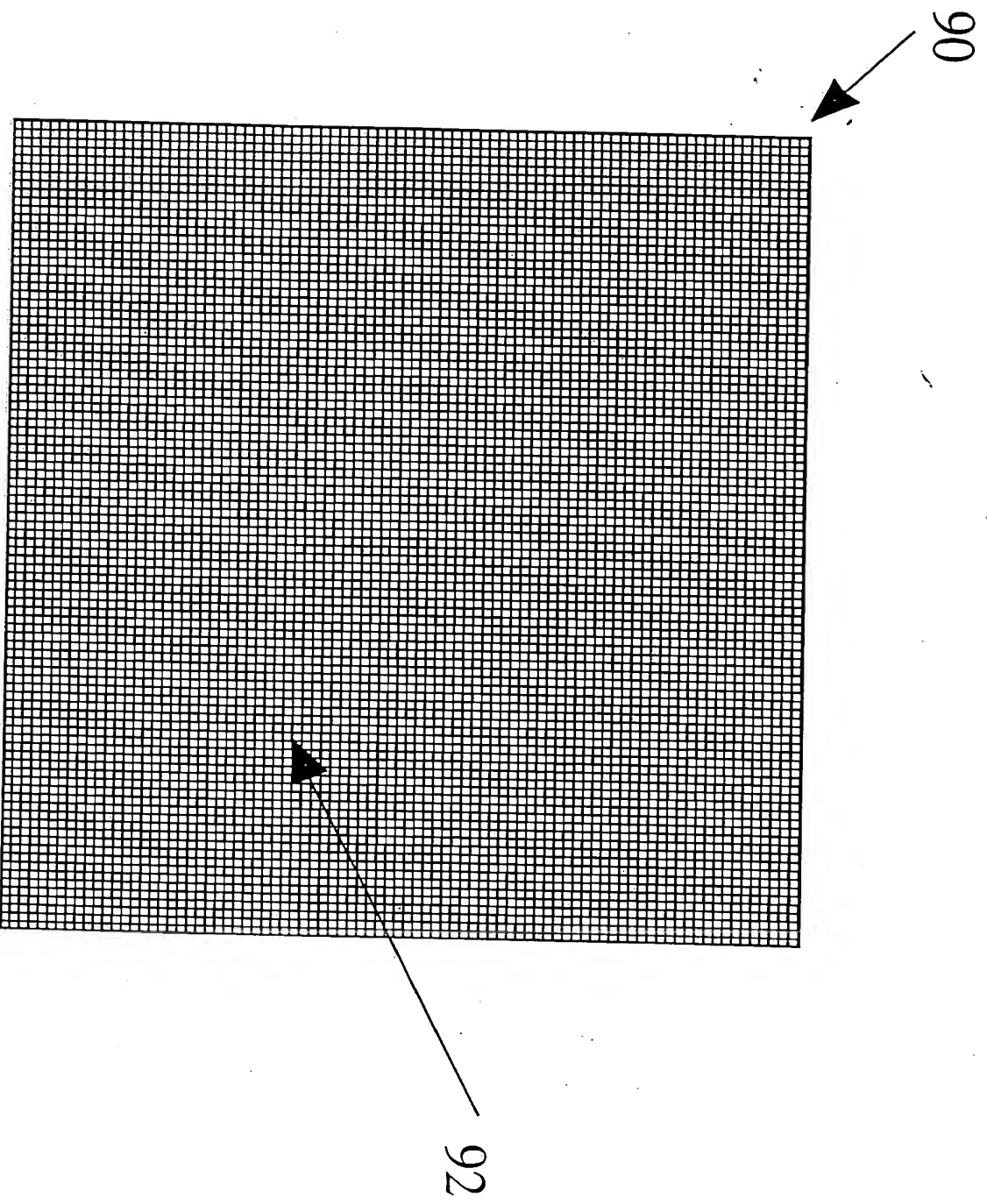


Fig 2a  
9606891.052900

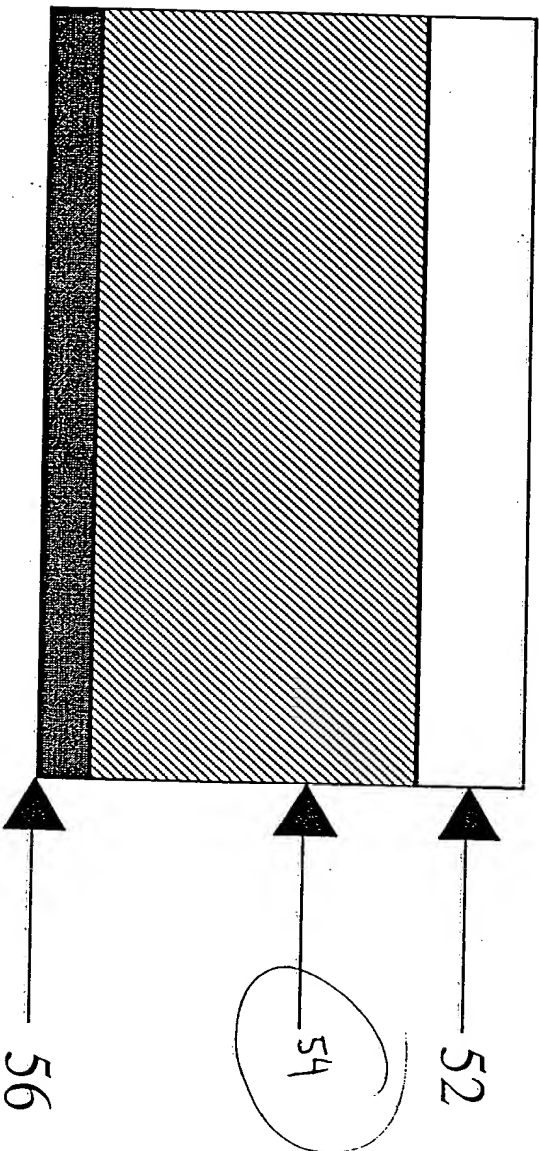
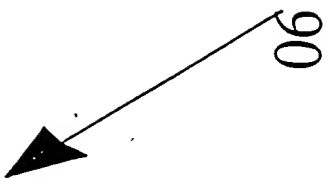


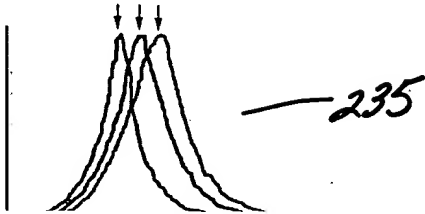
Fig 2b

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# CORRECTION STEPS (SCANNER)

FIG. 3

(color align the  
three histograms)



— 235

— 250

— 260

— 265

Resize Scanned Image to  
match size of Flat Field image

Align Fiducial Marks in comparing  
Original Flat Field to Scanned Image

Aligned image is the Defect Map.

Print the  
Correction Defect Map

— 270

Are Defects Corrected?

No

Yes

Apply a single RGB  
Gain to All Pixels

290

Correction Defect Map  
and  
Single RGB Gain

300

305

Works at a single density.

William M. Barn

006290" T6890960

006290" T6890960

CORRECTION  
METHOD  
(CCD)

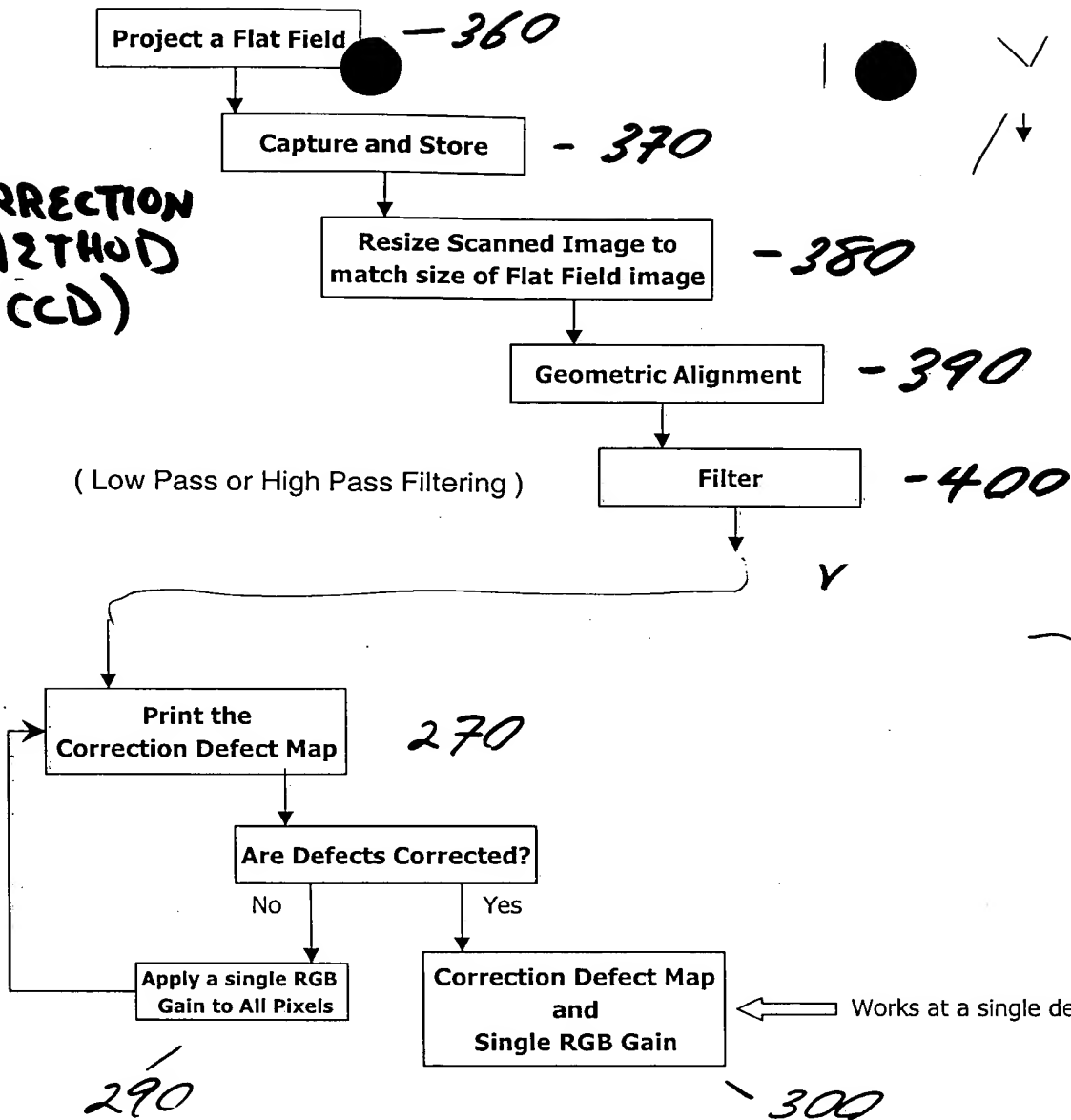
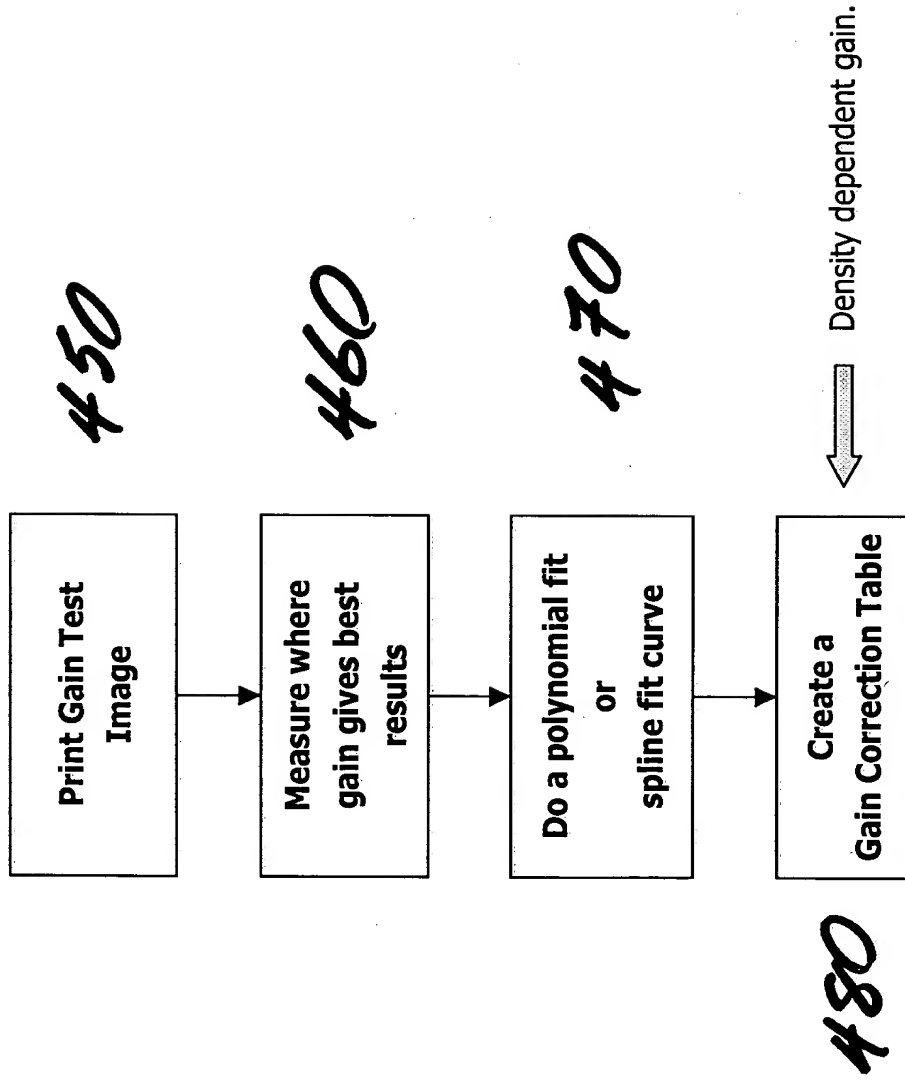


FIG. 4

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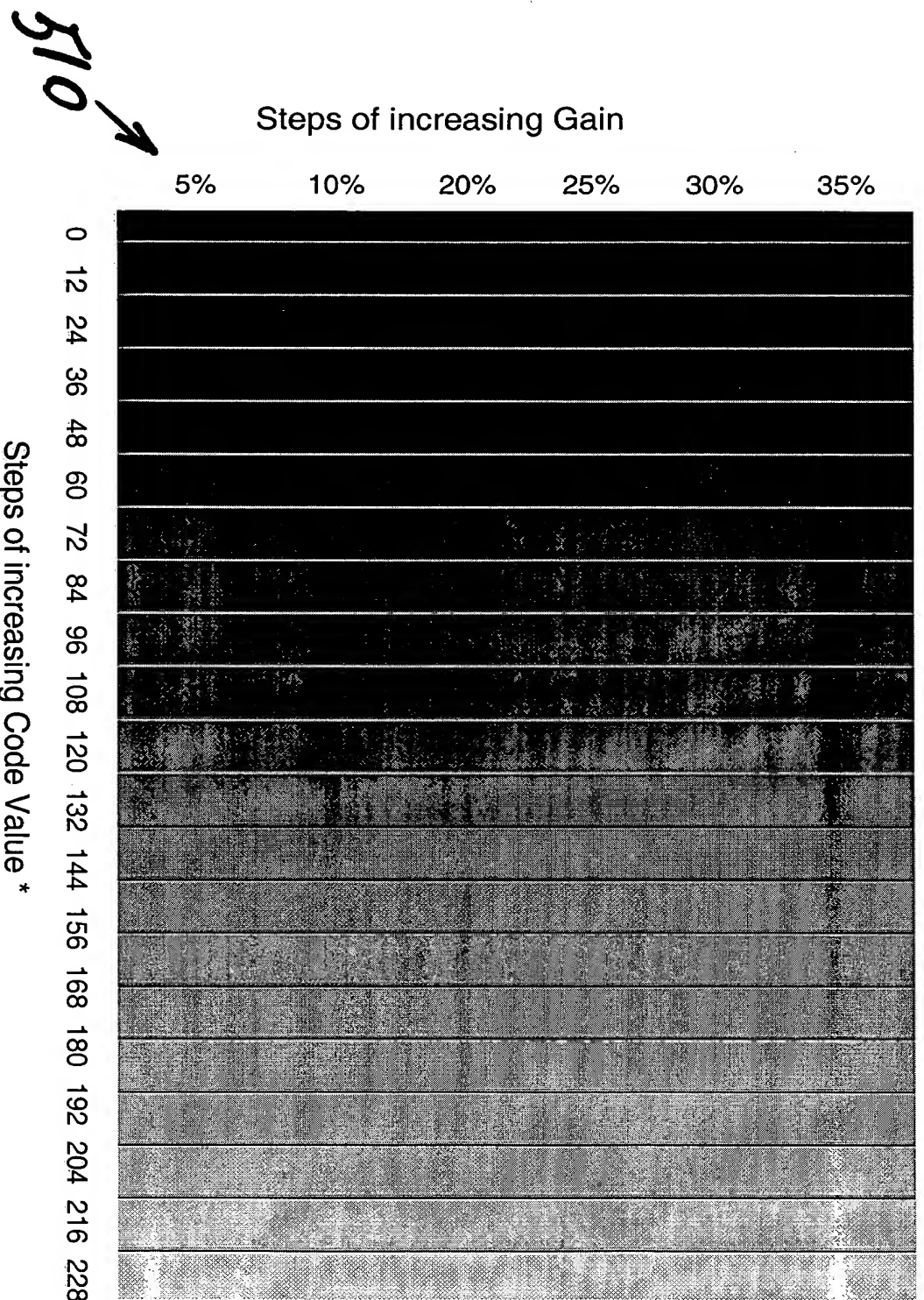
# ~~Gain Correction Table ...~~

Fig 5



# Gain Curve Test Image ...

Fig 6



\*note: increasing code values cause increasing density onto photographic paper.

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# Gain Correction Equation ...

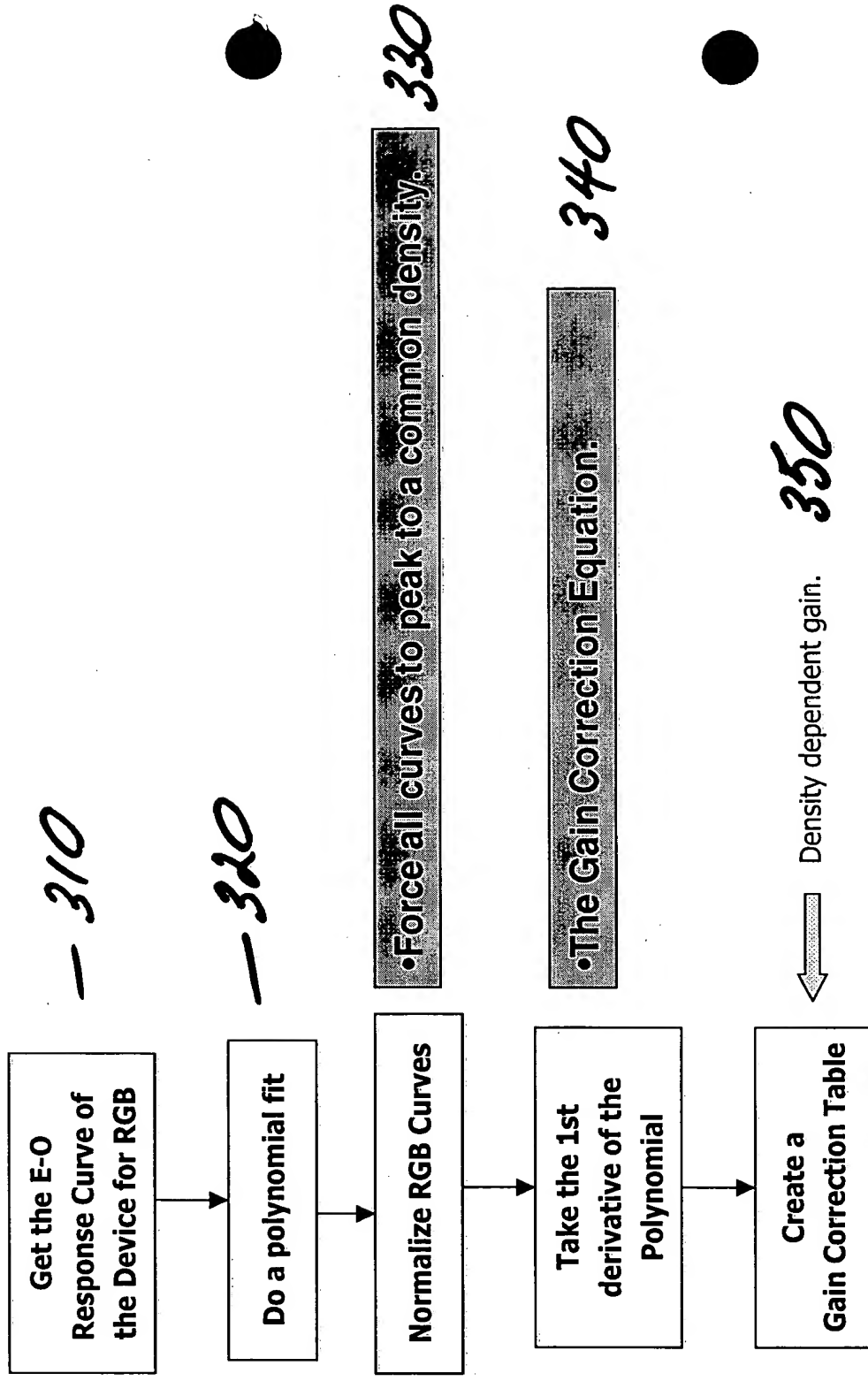
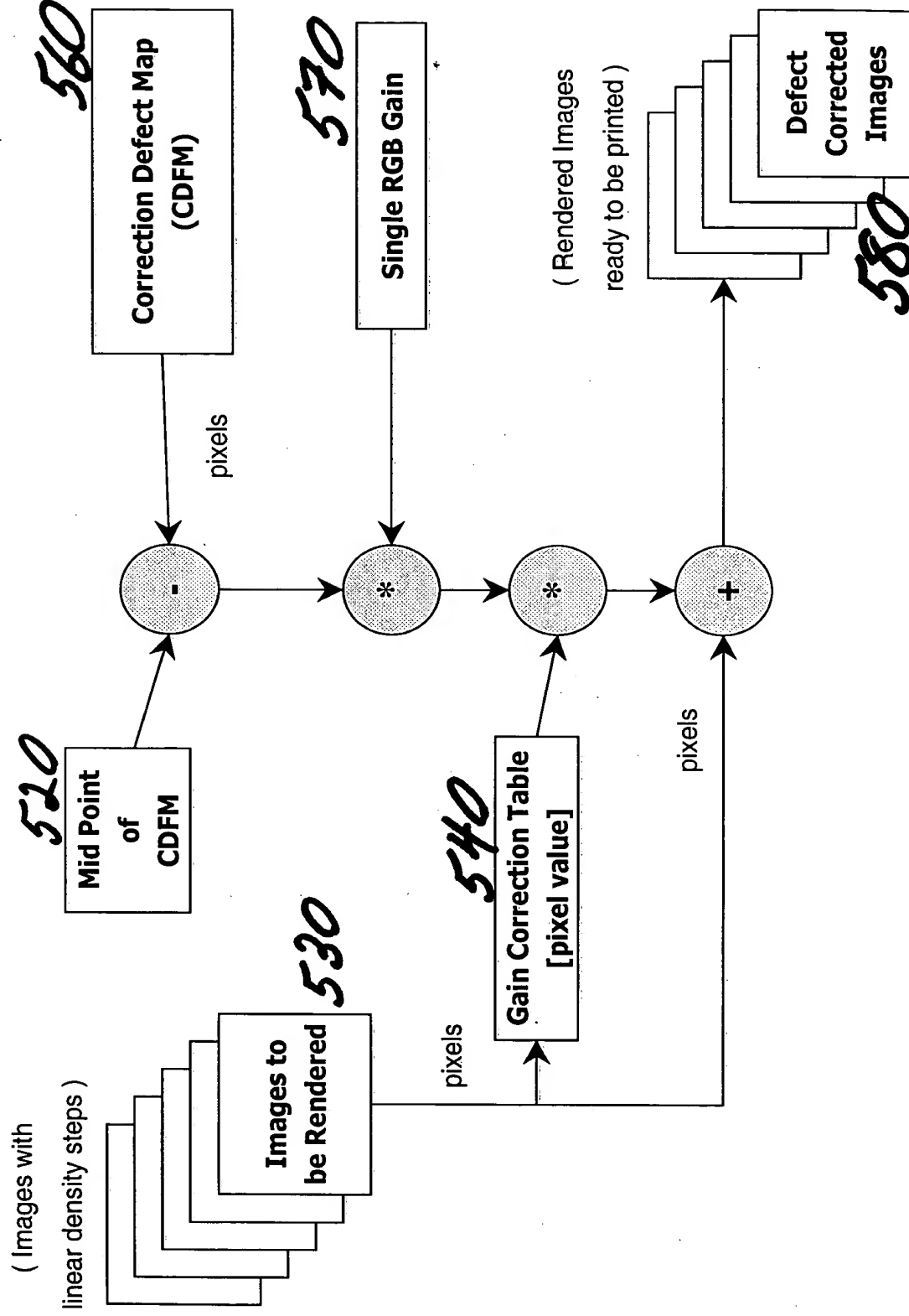


Fig 7



# Correction Render Path ... *Fig. 8*



# Polynomial of E-O Curve ...

Normalized Curve

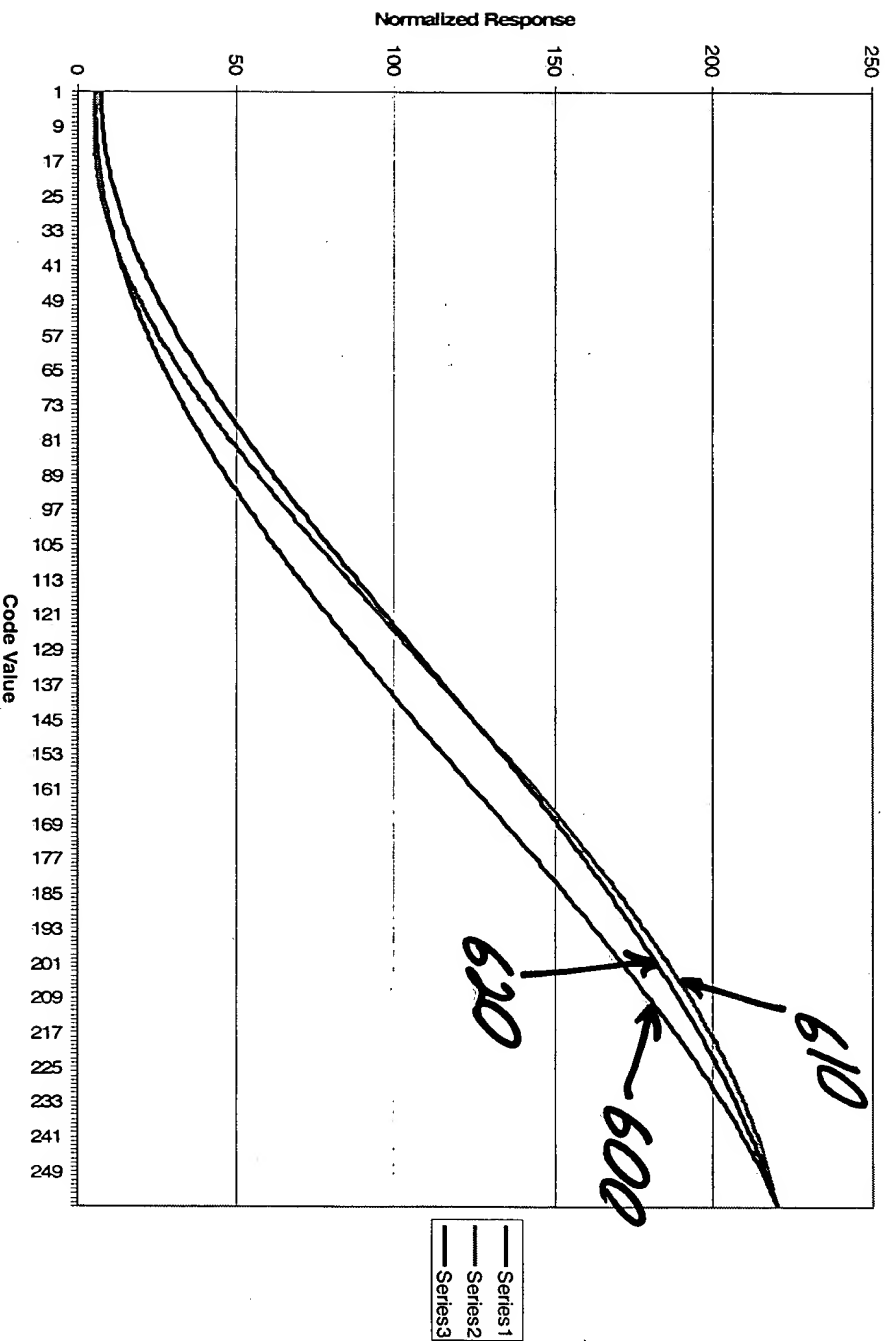


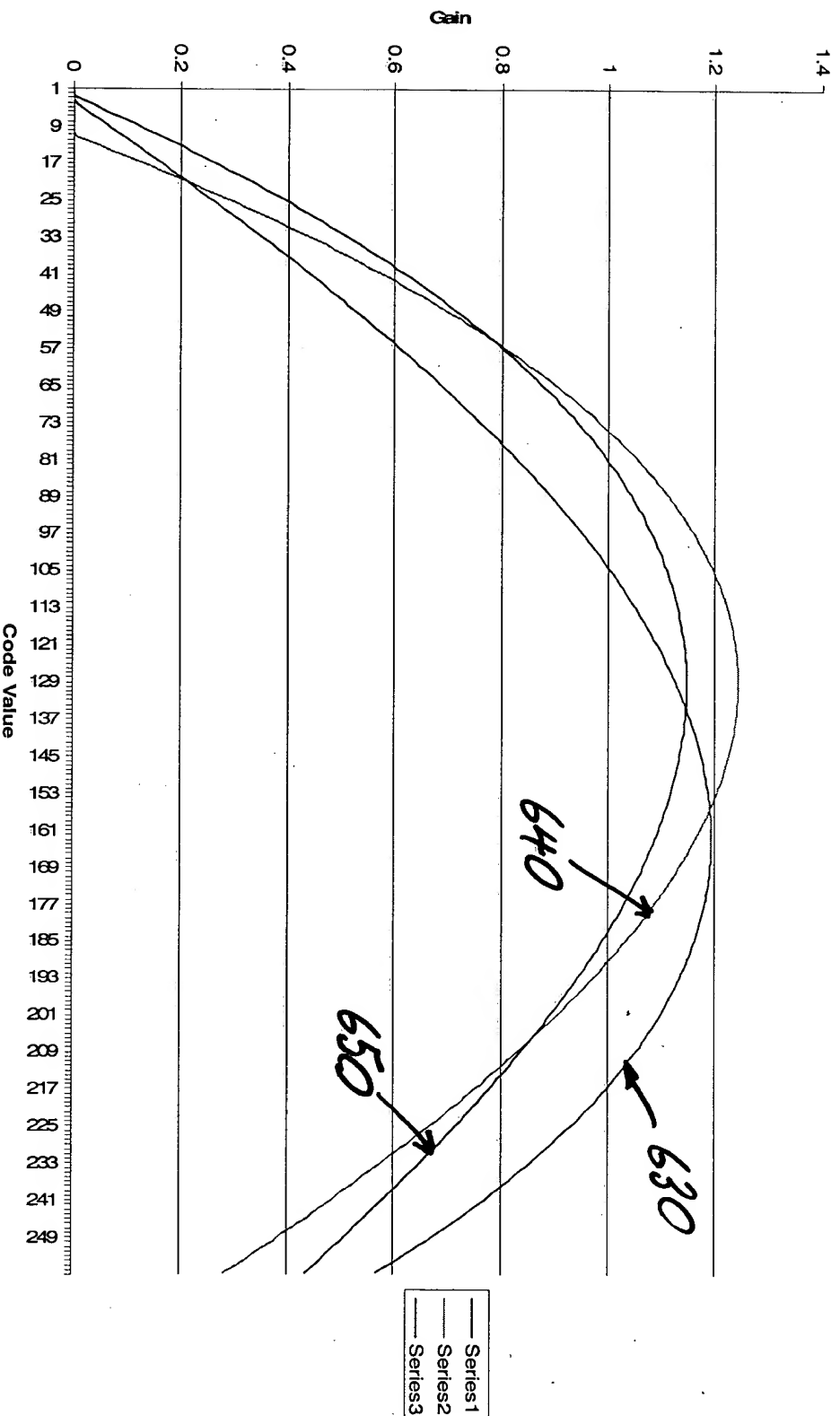
Fig 9

09606891, 062900

# Gain Correction Curve ...

Fig 10

Lcd Gain Table



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